

Uva Wellassa University of Sri Lanka
Faculty of Science and Technology
Department of Computer Science and Technology
100 level 2nd Semester Examination Dec.-2017/Jan.-2018
IIT181-2 Computer Hardware Technology



Instructions to candidates:

Duration: Two (02) hours

Number of questions: Four (04)

Mark allocation: 100

Answer all questions

1.
 - a. Name three (03) types of computer monitors. (06 mark)
 - b. List three (03) examples for special purpose computers. (06 mark)
 - c. List three (03) disadvantages of mainframe computers. (03 mark)
 - d. Briefly explain the main characteristics of a microcomputer and list five (05) uses of them. (10 mark)

2.
 - a. The editor of the Hardware Magazine has asked you to write an article on "computer storage". Write the article considering the following points.
 - Primary storage with examples.
 - Differences between primary storage devices.
 - Secondary storage
 - Comparison of four (04) secondary storage devices
 - Cloud storage and its importance (20 mark)

 - b. Briefly explain cold boot. (05 mark)

3.
 - a. Explain the differences between a Local Area Network (LAN) and a Wide Area Network (WAN). (08 mark)
 - b. Explain bus and star topologies using suitable diagrams. (08 mark)
 - c. Write short notes on the following topics.
 - i. Router
 - ii. IP address
 - iii. Bluetooth(09 mark)

4. You have been invited to deliver a speech on computer maintenance to the students of Gamunu Maha Vidyalaya - Badulla. Write down your speech focusing on the following points.

- General tips on where to locate a computer and how to clean the external components of a computer.
- What is Electro Static Discharge (ESD) and how to protect your computer from ESD.
- What are the symptoms of a virus attack?
- What is done by a virus guard and why it should be updated frequently?
- Importance of having periodical backups.

(25 mark)

